

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wong et al. )  
 ) Attorney Docket:  
Divisional application )  
 of Serial No.: 07/961,076 ) SCR-267.3 DIV I  
 ) (3195/84503)  
New Filing Date: November 15, 2001 )  
 ) Prior Group Art  
For: PRODUCTION OF FUCOSYLATED ) 1651  
 CARBOHYDRATES BY ENZYMIC )  
 FUCOSYLATION SYNTHESIS OF )  
 SUGAR NUCLEOTIDES: AND IN )  
 SITU REGENERATION OF GDP-FUCOSE )  
 )  
Prior Examiner: L. Lankford Jr. )

PRELIMINARY AMENDMENT

Commissioner of Patents  
Washington, D.C. 20231

Sir:

Please amend the above-identified application as follows prior to examining the application.

IN THE SPECIFICATION

Please replace the paragraph at page 1, line 13 with the following rewritten paragraph.

This is a division of application Serial No. 07/961,076, filed October 14, 1992, which is a continuation-in-part of application Serial No. 07/910,612, filed July 8, 1992, now U.S. Patent NO. 6,319,695, which is a continuation-in-part of application Serial No. 07/901,260, filed June 19, 1992, which is a continuation-in-part of application Serial No. 07/777,662, filed October 15, 1991, whose disclosures are incorporated herein by reference.

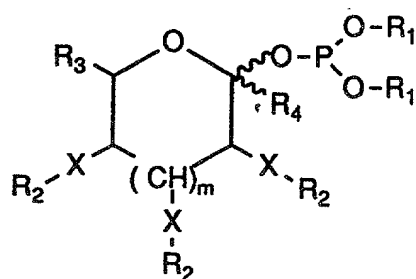
IN THE CLAIMS

Please cancel claims 1-20 of the originally-filed parent application that have already been allowed.

Please amend claims 26, 39 and 50 to read as follows:

26. (Amended) The reaction system of claim 21 further comprising a NADPH regeneration system.

39. (Amended) A blocked phosphityl monosaccharide of the formula:



wherein each R<sub>1</sub> is the same or different and is an aryl group or a C<sub>1</sub>-C<sub>5</sub> lower alkyl group;

X is independently oxygen or nitrogen;

R<sub>2</sub> is independently an acyl, benzyl, silyl or alkyl blocking group or X-R<sub>2</sub> together are absent and are replaced by hydrogen;

R<sub>3</sub> is independently hydrogen, -CH<sub>3</sub>, -OR<sub>2</sub>, -CH<sub>2</sub>OR<sub>2</sub>, -CH(OR<sub>2</sub>)-CH(OR<sub>2</sub>), or -CH(OR<sub>2</sub>)-CH(OR<sub>2</sub>)-CH(OR<sub>2</sub>);

R<sub>4</sub> is hydrogen, carboxyl or C<sub>1</sub>-C<sub>5</sub> alkyl or benzyl carboxylate; and

m is zero or 1.

50. (Amended) A product of the process of claim 48.

#### REMARKS

Continued prosecution and consideration of the claimed subject matter in the accompanying patent application is respectfully requested.

The first page has been amended to up-date the history of this application. Claims 1-20 have been cancelled. Claims 26, 39 and 50 have been amended. Claims 21-51 are in the case and are before the Examiner.

#### I. The Amendments

As already noted, the first paragraph of the application has been amended to up-date the history of this application. A marked-up copy of the amended first paragraph showing the changes made is attached hereto as part of the last page. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE"

Claims 1-20 were cancelled because they correspond to claims that were allowed in the parent application.

Claims 26, 39 and 50 have been amended to better and more clearly define the invention. Marked-up copies of the claims showing the changes made are attached as a further part of the last page of this paper.

It is thus seen that no new matter has been added.

II. The Enclosed Application

Enclosed is a copy of the prior application, including the previously filed Declaration and Power of Attorney, recorded Assignment and cover sheet, as originally filed. The attached application papers are a true copy of prior application Serial No. 07/961,076 , filed October 14, 1992.

The attached application contains no new matter.

SUMMARY

The claims corresponding to previously allowed claims were cancelled in this divisional application.

The application is believed to be in condition for examination and allowance. An early notice to that effect is earnestly solicited.

A filing fee is enclosed based on the number of independent and dependent claims in the application after entry of this Preliminary Amendment. No further fee or petition is believed to be necessary. However, should any further fee be needed, please charge our Deposit Account No. 23-0920, and deem this paper to be the required petition.

The Examiner is requested to phone the undersigned should any questions arise that can be dealt with over the phone to expedite this prosecution.

Respectfully submitted,

By  \_\_\_\_\_

Edward P. Gamson, Reg. No. 29,381

Divisional Application  
of Serial No. 07/961,076

-5-

Enclosures

Substitute Page 1 of Divisional Application  
Application Data Sheet  
Transmittal Letter  
Fee Transmittal for FY 2000 Sheet  
Cert. of Mailing page  
Preliminary Amendment and  
Version with Marking to Show Changes Made  
Previously filed Patent Application and Drawings  
Previously filed Declaration and Power of Attorney  
Previously filed Recorded Assignment and Cover Sheet  
Previously filed Change of Address documents  
Application Fee

WELSH & KATZ, LTD.  
120 South Riverside Plaza, 22nd Floor  
Chicago, Illinois 60606  
Phone (312) 655-1500  
Fax No. (312) 655-1501

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Statement, together with a Computer readable disk, Transmittal Letter and its stated enclosures and Patent Application, are being deposited with the United States Postal Service as Express Mail Label No. EL854692669US postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on November 19, 2001.



VERSION WITH MARKINGS TO SHOW CHANGES MADE"

Cross-Reference to related applications:

Phrase at page 1, line 13 has been added as follows:

This is a division of application Serial No.

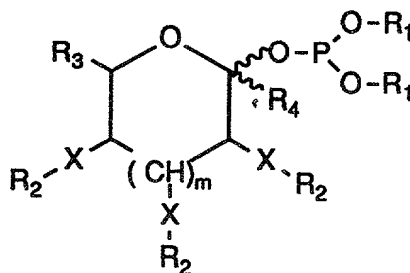
07/961,076, filed October 14, 1992, which is a continuation-in-  
part of application Serial No. 07/910,612, filed July 8, 1992,  
now U.S. Patent No. 6,319,695, which is a continuation-in-part  
of application Serial No. 07/901,260, filed June 19, 1992, which  
is a continuation-in-part of application Serial No. 07/777,662,  
filed October 15, 1991, whose disclosures are incorporated  
herein by reference.

In the claims:

Claims 1-20 have been cancelled.

26. (Amended) The reaction system of claim 21 [22] further  
comprising a NADPH regeneration system.

39. (Amended) [The] A blocked phosphityl  
monosaccharide of the formula:



wherein each R<sub>1</sub> is the same or different and is an  
aryl group or a C<sub>1</sub>-C<sub>5</sub> lower alkyl group;

X is independently oxygen or nitrogen;

R<sub>2</sub> is independently an acyl, benzyl, silyl or alkyl blocking group or X-R<sub>2</sub> together are [abasent] absent and are replaced by hydrogen;

R<sub>3</sub> is independently hydrogen, -CH<sub>3</sub>, -OR<sub>2</sub>, -CH<sub>2</sub>OR<sub>2</sub>, -CH(OR<sub>2</sub>) -CH(OR<sub>2</sub>) , or -CH(OR<sub>2</sub>) -CH(OR<sub>2</sub>) -CH(OR<sub>2</sub>) ;

R<sub>4</sub> is hydrogen, carboxyl or C<sub>1</sub>-C<sub>5</sub> alkyl or benzyl carboxylate; and

m is zero or 1.

50. (Amended) [The] A product of the process of claim 48.